

इंटरनेट

मानक

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Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10848 (1984): Irrigator Anterior Chamber, Eye, Bishop
Harmann's Pattern [MHD 5: Ophthalmic Instruments and
Appliances]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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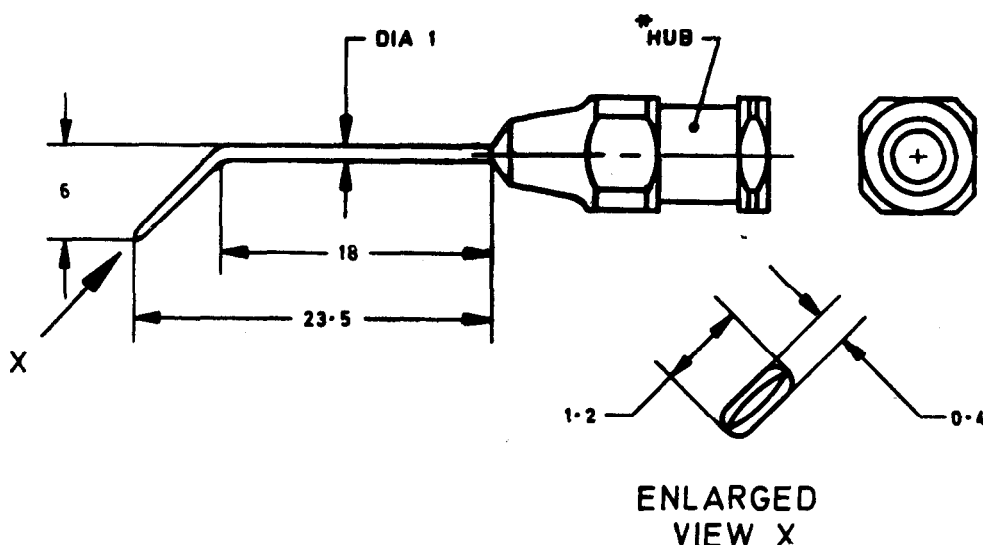
Indian Standard



SPECIFICATION FOR IRRIGATOR ANTERIOR CHAMBER, EYE, BISHOP HARMANN'S PATTERN

1. Scope — Covers requirements for Bishop Harmann's pattern irrigator used for anterior chamber of eye.

2. Shape and Dimensions — Shall conform to Fig. 1.



*See IS : 3234-1965 Conical fittings for hypodermic syringes, needles and other medical equipment, Luer type.

All dimensions in millimetres.

FIG. 1 IRRIGATOR ANTERIOR CHAMBER, BISHOP HARMANN'S PATTERN

2.1 A deviation of ± 2.5 percent shall be allowed on all dimensions.

3. Material

3.1 Irrigator — Stainless steel conforming to designation 04Cr19Ni9 of IS : 1570 (Part 5) - 1972 'Schedules for wrought steels: Part 5 Stainless and heat-resisting steels'.

3.2 Hub — Free cutting brass rod or bar conforming to Type 1 of IS : 319-1974 'Specification for free-cutting brass bars, rods and sections'.

3.3 Stillette — Hard drawn brass wire or stainless steel wire.

Note — A stillette shall be provided with each irrigator.

4. Conical Fitting — Luer type conforming to IS : 3234-1965 'Specification for conical fitting for hypodermic syringes, needles and other medical equipment, Luer type'.

Adopted 16 March 1984

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5. Workmanship and Finish — The irrigator pushed well into the cavity of the hub shall be securely swaged. The irrigator shall be smooth both inside and outside and free from pits, tool marks, burrs and foreign matters. The hub shall be plated chromium over nickel both inside and outside and polished. The plating shall be of Service Grade No. 2 conforming to IS:4827-1968 'Specification for electroplated coatings of nickel and chromium on copper and copper alloys'. The free end of irrigator shall be smooth, blunt and rounded.

6. Tests

6.1 Leakage Test — The irrigator shall be fitted to a tested syringe and syringe shall be connected to a water source on which pressure could be exerted. The water shall be run through the needle to eliminate air. The irrigator shall be sealed and a pressure of 294 KN/m² (3 kgf/cm², approx) for 10 seconds shall be applied. No leakage shall take place at the joint of the hub and the syringe or the irrigator and the hub.

6.2 Elasticity — The hub shall be rigidly clamped and the irrigator shall be deflected through an angle of 12°, the force being applied at a contact distance of 8 mm. The irrigator shall show no permanent set or damage.

7. Marking — Each irrigator shall be marked with manufacturer's name, initials or recognized trade-mark and the country of manufacture.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — As agreed to between the purchaser and the supplier.